Network Requirements for Installing a Neat System with Neat Pulse

Introduction: Purpose of this document

The purpose of this document is to inform your organization's IT team of the network requirements necessary to ensure the proper functioning of **Neat** devices and related services (**Neat Pulse**, **Microsoft Teams**, **Zoom**, etc.).

1. Creating Room 365 for Teams Rooms

a. Go to the Microsoft 365 admin center: https://admin.microsoft.com
b. In the left menu, go to **Resources > Rooms and equipment**.
c. Click **Add Resource**, and then:
   - Select **Room** as the Resource Type
   - Provide a **name**, **email address** and password related to this room
   - Assign a **Teams Rooms Basic** or **Pro license**

In order to receive external invitations and automatically accept meeting invitations, you will need to pass PowerShell commands

```
Connect-ExchangeOnline -UserPrincipalName admin@nomdedomaine
# This command allows external mail to a distribution group or room mailbox
Set-Mailbox -Identity "salle@nomdedomaine" -RequireSenderAuthenticationEnabled $false
# The -AutomateProcessing parameter automatically accepts external meeting invitations
# The -AllowConflicts parameter allows you to accept duplicate bookings
Set-CalendarProcessing -Identity " salle@nomdedomaine " -AutomateProcessing AutoAccept -AddOrganizerToSubject $false -DeleteComments $false -DeleteSubject $false -ProcessExternalMeetingMessages $true -RemovePrivateProperty $false -AddAdditionalResponse $true -AdditionalResponse "This is a Microsoft Teams Meeting room!"
# The -DeleteSubject parameter is disabled to keep the meeting subject, which is the name of the meeting
# -AddOrganizerToSubject $false prevents the organizer from being added to the event topic.
Set-CalendarProcessing -Identity " salle@nomdedomaine " -DeleteSubject $false -AddOrganizerToSubject $false
# Check the current configuration (to make sure the settings are applied correctly)
Get-CalendarProcessing -Identity " salle@nomdedomaine " | Format-List Identity,AutomateProcessing,AllowConflicts,DeleteSubject,AddOrganizerToSubject
```

2. Internet Access and Routing

Neat devices must have stable access to the Internet to:

- Connect to cloud services (Teams / Zoom)
- Receive software updates through Neat Pulse
- Provide remote monitoring and management (Neat Pulse) or Management (ZDM)

3. Ports and Protocols to Open

Here are the ports and addresses to allow **OUT (egress)** on the firewall:

- **For Microsoft Teams (Teams Rooms)**
  - **TCP 80, 443** → *.teams.microsoft.com, *.skype.com (signage)
  - **UDP 3478–3481** → *.media.azure.com, *.msedge.net (audio/video media)
  - **TCP 80, 443** → *.windowsupdate.com, *.microsoft.com (updates)

- **For Zoom Rooms**
  - **TCP 443, 8801–8802** → *.zoom.us, *.zoom.com (signage)
  - **UDP 3478, 3479** → *.zoom.us, *.zoom.com (media)

- **For Neat Pulse**
  - **TCP 443** → *.neat.no, *.neatpulse.com (cloud connection)
  - **TCP 443** → updates.neat.no, repo.neatpulse.com (updates)

4. Communication between Neat devices

Neat devices must be able to communicate locally (LAN or VLAN allowed), especially in multi-device configurations such as:

- Neat Bar + Neat Pad
- Neat Board + Neat Center

Allow local **TCP/UDP** exchanges between devices in the video system.

In addition, we would like to specify that the switch or systems to which the equipment is connected must be **POE.** If you do not have a **POE Switch**, please contact our sales team to provide you with the necessary add-on.

The room where the system will be located must be equipped with **free and accessible RJ45 ports for each piece of equipment**.

5. Teams Proximity: Device Visibility

Ports to allow between VLANs:

Protocol / Service	Port(s)	Direction	Description
mDNS (Multicast DNS)	UDP 5353	Bidirectional	Local device discovery (Apple, Teams)
SSDP (UPnP)	UDP 1900	Bidirectional	Discovery of devices in the local network
Proximity Join (Teams)	TCP 443	To the Internet	Cloud Connection + Discovery via LAN
Teams Device Discovery	TCP 443 / 80	Bidirectional	Between Teams client and certified Teams device